

Table of Contents Volume 90

No. 1 pp. 1-88 issued on 23.7.1984
 No. 2 pp. 89-162 issued on 22.8.1984
 No. 3 pp. 163-238 issued on 24.9.1984
 No. 4 pp. 239-322 issued on 18.10.1984
 No. 5 pp. 323-396 issued on 19.11.1984

Ananiev, E.V., Barsky, V.E., Ilyin, Y.V., Ryzic, M.V.: The arrangement of transposable elements in the polytene chromosomes of <i>Drosophila melanogaster</i>	366-377	Fernández-Piqueras, J., s. Sentis et al.	317-321
Ananiev, E.V., s. Belyaeva et al.	16-19	Finch, R.A., Miller, T.E., Bennett, M.D.: "Cuckoo"	
Andersson, H.C., s. Kihlman	239-242	<i>Aegilops</i> addition chromosome in wheat ensures its transmission by causing chromosome breaks in meiospores lacking it	84-88
Ault, J.G., Lin, H.-P.P.: Bivalent behavior in <i>Drosophila melanogaster</i> males containing the <i>In(1)sc^{4L}sc^{8R}X</i> chromosome	222-228	Fostel, J., Narayanswami, S., Hamkalo, B., Clarkson, S.G., Pardue, M.L.: Chromosomal location of a major tRNA gene cluster of <i>Xenopus laevis</i>	254-260
Avila, J., s. Wandozell et al.	68-71	Fuge, H.: The three-dimensional architecture of chromosome fibres in the crane fly. I. Syntelic autosomes in meiotic metaphase and anaphase I	323-331
Badaracco, G., s. Barigozzi et al.	332-337	Gartler, S.M., s. Venolia et al.	185-189
Ballario, P., s. Junakovic et al.	378-382	Gatzka, F., s. Lezzi et al.	204-210
Baratelli, L., s. Barigozzi et al.	332-337	German, J., s. Ray	383-388
Barettono, D., s. Diez	103-110	Ginelli, E., s. Barigozzi et al.	332-337
Barigozzi, C., Badaracco, G., Plevani, P., Baratelli, L., Profeta, S., Ginelli, E., Meneveri, R.: Heterochromatin in the genus <i>Artemia</i>	332-337	Gosh, S., Paweletz, N.: Events associated with the initiation of mitosis in fused multinucleate HeLa cells	57-67
Barsky, V.E., s. Ananiev et al.	366-377	Gray, J., s. Trask et al.	295-302
Beckingham, K., Rubacha, A.: Different chromatin states of the intron ⁻ and type 1 intron ⁺ rRNA genes of <i>Calliphora erythrocephala</i>	311-316	Grossbach, U., s. Westermann	355-365
Belyaeva, E., Ananiev, E.V., Gvozdev, V.A.: Distribution of mobile dispersed genes (mdg-1 and mdg-3) in the chromosomes of <i>Drosophila melanogaster</i>	16-19	Guillet, F., s. Dournon et al.	261-264
Bennett, M.D., s. Finch et al.	84-88	Gvozdev, V.A., s. Belyaeva et al.	16-19
Bianchi, M.S., s. Bianchi et al.	133-138	Haaf, T., Weis, H., Schindler, D., Schmid, M.: Specific silver staining of experimentally undercondensed chromosome regions	149-155
Bianchi, N.O., Bianchi, M.S., Cleaver, J.E.: The action of ultraviolet light on the patterns of banding induced by restriction endonucleases in human chromosomes	133-138	Hameister, H., Sperling, K.: Description of a chromosome replication unit in individual prematurely condensed human S-phase chromosomes	389-393
Boucher, D., s. Dournon et al.	261-264	Hamkalo, B., s. Fostel et al.	254-260
Brown, K.S., Jr., s. Suomalainen	170-176	Hartley, S.E., Horne, M.T.: Chromosome relationships in the genus <i>Salmo</i>	229-237
Buckley, B., s. Dawson et al.	289-294	Hasenkampf, C.A.: Synaptonemal complex formation in pollen mother cells of <i>Tradescantia</i>	275-284
Busch, H., s. Specter et al.	139-148	Hasenkampf, C.A.: Longitudinal axis thickenings in whole-mount spreads of synaptonemal complexes from <i>Tradescantia</i>	285-288
Caneva, R., s. Junakovic et al.	378-382	Heino, T.I., s. Sorsa et al.	177-184
Cardoso, H., Peceli, A., Dutra, A., Mazzella, M.C.: The timing and RNA transcription of the diffuse stage of meiotic prophase in the male cricket	349-354	Herrick, G., s. Dawson et al.	289-294
Cartinhour, S., s. Dawson et al.	289-294	Horne, M.T., s. Hartley	229-237
Cherry, L.M., Hsu, T.C.: Antitubulin immunofluorescence studies of spermatogenesis in the mouse	265-274	Hotta, Y., Tabata, S., Stern, H.: Replication and nicking of zygote DNA sequences. Control by a meiosis-specific protein	243-253
Clarkson, S.G., s. Fostel et al.	254-260	Hsu, T.C., s. Cherry	265-274
Cleaver, J.E., s. Bianchi et al.	133-138	Ilyin, Y.V., s. Ananiev et al.	366-377
Coates, D.J., Smith, D.: The spatial distribution of chromosomes in metaphase neuroblast cells from subspecific <i>F</i> ₁ hybrids of the grasshopper <i>Caledia captiva</i>	338-348	Junakovic, N., Caneva, R., Ballario, P.: Genomic distribution of copia-like elements in laboratory stocks of <i>Drosophila melanogaster</i>	378-382
Cooper, D.W., s. Venolia et al.	185-189	Kaelbling, M., Miller, D.A., Miller, O.J.: Restriction enzyme banding of mouse metaphase chromosomes	128-132
Dawson, D., Buckley, B., Cartinhour, S., Myers, R., Herrick, G.: Elimination of germ-line tandemly repeated sequences from the somatic genome of the ciliate <i>Oxytricha fallax</i>	289-294	Kenton, A.: Chromosome evolution in the <i>Gibasis linearis</i> group (Commelinaceae). III. DNA variation, chromosome evolution, and speciation in <i>G. venustula</i> and <i>G. heterophylla</i>	303-310
Diez, J.L., Barettono, D.: DNA-RNA hybrids and transcriptional activity in <i>Chironomus</i> polytene chromosomes	103-110	Kihlman, B.A., Andersson, H.C.: The effect of G ₂ -treatments with 2'-deoxyadenosine on the frequency of chromatid aberrations in human lymphocytes depends on the type of culture	239-242
Dournon, C., Guillet, F., Boucher, D., Lacroix, J.C.: Cytogenetic and genetic evidence of male sexual inversion by heat treatment in the newt <i>Pleurodeles poireti</i>	261-264	Koduru, P.R.K.: Centromere orientation, reorientation, and segregation in an interchange quadrivalent during anther development in pearl millet	94-102
Dutra, A., s. Cardoso et al.	349-354	Koduru, P.R.K., Rao, M.K., Lakshmi, K.V., Sybenga, J.: Anther development and the orientation of the interchange quadrivalent in pearl millet	89-93
Ellinger, M.S., s. Moruzzi	211-221	Lacroix, J.C., s. Dournon et al.	261-264
Engh, G. van den, s. Trask et al.	295-302	Lakshmi, K.V., s. Koduru et al.	89-93
		Lara, F.J.S., s. Stocker et al.	26-38
		Lee, B.T.O., s. Martin	190-197

Leemann, U., Ruch, F.: Cytofluorometry and visualisation of DNA base composition in the chromosomes of <i>Drosophila melanogaster</i>	6-15	Sentis, C., Rodriguez-Campos, A., Stockert, J.C., Fernández-Piqueras, J.: Morphology of the axial structures in the neo-XY sex bivalent of <i>Pycnogaster culicata</i> (Orthoptera) by silver impregnation	317-321
Lezzi, M.: Heat-shock phenomena in <i>Chironomus tentans</i> . II. In vitro effects of heat and overheat on puffing and their reversal	198-203	Sessa, M.R., s. Rainaldi et al.	46-49
Lezzi, M., Gatzka, F., Meyer, B.: Heat-shock phenomena in <i>Chironomus tentans</i> . III. Quantitative autoradiographic studies on ³ H-uridine incorporation into Balbiani ring 2 and heat-shock puff IV-5C	204-210	Smith, D., s. Coates	338-348
Lin, H.-P.P., s. Ault	222-228	Sorsa, V., Saura, A.O., Heino, T.I.: Electron microscopical map of divisions 61, 62, and 63 of the salivary gland 3L chromosome in <i>Drosophila melanogaster</i>	177-184
Mahadevaiah, S., Mittwoch, U., Moses, M.J.: Pachytene chromosomes in male and female mice heterozygous for the Is(7;1)40H insertion	163-169	Soulliere, D.L., s. Stack	72-83
Mariani, T., s. Rainaldi et al.	46-49	Spector, D.L., Ochs, R.L., Busch, H.: Silver staining, immunofluorescence, and immunoelectron microscopic localization of nucleolar phosphoproteins B23 and C23	139-148
Martin, J., Lee, B.T.O.: A phylogenetic study of sex determiner location in a group of Australasian <i>Chironomus</i> species (Diptera, Chironomidae)	190-197	Sperling, K., s. Hameister	389-393
Mazzella, M.C., s. Cardoso et al.	349-354	Stack, S.M., Soulliere, D.L.: The relation between synapsis and chiasma formation in <i>Rhoeo spathacea</i>	72-83
Meneveri, R., s. Barigozzi et al.	332-337	Steinemann, M.: Telomere repeats within the neo-Y-chromosome of <i>Drosophila miranda</i>	1-5
Meyer, B., s. Lezzi et al.	204-210	Stern, H., s. Hotta et al.	243-253
Miller, D.A., s. Kaelbling et al.	128-132	Stockert, A.J., Troyano-Pueyo, M., Pereira, S.D., Lara, F.J.S.: Ecdysteroid titers and changes in chromosomal activity in the salivary glands of <i>Rhynchosciara americana</i>	26-38
Miller, O.J., s. Kaelbling et al.	128-132	Stockert, J.C., s. Sentis et al.	317-321
Miller, T.E., s. Finch et al.	84-88	Suomalainen, E., Brown, K.S., Jr.: Chromosome number variation within <i>Philaethria</i> butterflies (Lepidoptera: Nymphalidae, Heliconiini)	170-176
Millette, C.F., s. Venolia et al.	185-189	Sybenga, J., s. Koduru et al.	89-93
Mittwoch, U., s. Mahadevaiah et al.	163-169	Tabata, S., s. Hotta et al.	243-253
Moritz, C.: The evolution of a highly variable sex chromosome in <i>Gehyra purpurascens</i> (Gekkonidae)	111-119	Trask, B., Engl, G., van den Gray, M., Vanderlaan, M., Turner, B.: Immunofluorescent detection of histone 2B on metaphase chromosomes using flow cytometry	295-302
Moruzzi, J.F., Ellinger, M.S.: Chromosomal transplantation. The nuclear transplantation of colchicine-treated cells	211-221	Troyano-Pueyo, M., s. Stockert et al.	26-38
Moses, M.J., s. Mahadevaiah et al.	163-169	Turner, B., s. Trask et al.	295-302
Myers, R., s. Dawson et al.	289-294	Vanderlaan, M., s. Trask et al.	295-302
Narayanswami, S., s. Fostel et al.	254-260	Venolia, L., Cooper, D.W., O'Brien, D.A., Millette, C.F., Gartner, S.M.: Transformation of the <i>Hprt</i> gene with DNA from spermatogenic cells. Implications for the evolution of X chromosome inactivation	185-189
Natarajan, A.T., Obe, G.: Molecular mechanisms involved in the production of chromosomal aberrations. III. Restriction endonucleases	120-127	Vig, B.K.: Sequence of centromere separation: Orderly separation of multicentric chromosomes in mouse L cells	39-45
Obe, G., s. Natarajan	120-127	Wandosell, F., Rodriguez-Campos, A., Piqueras, J.F., Avila, J.: Identification of the microtubule-associated protein map ₂ and its binding sites on metaphase chromosomes from cultured cells	68-71
O'Brien, D.A., s. Venolia et al.	185-189	Weis, H., s. Haaf et al.	149-155
Ochs, R.L., s. Spector et al.	139-148	Westermann, R., Grossbach, U.: Localization of nuclear proteins related to high mobility group protein 14 (HMG 14) in polytene chromosomes	355-365
Pardue, M.L., s. Fostel et al.	254-260	Wise, D.: The ultrastructure of an intraspindle membrane system in meiosis of spider spermatocytes	50-56
Pawletz, N., s. Gosh	57-67	Wise, D., Wolniak, S.M.: A calcium-rich intraspindle membrane system in spermatocytes of wolf spiders	156-161
Peceli, A., s. Cardoso et al.	349-354	Wolniak, S.M., s. Wise	156-161
Pereira, S.D., s. Stocker et al.	26-38	Acknowledgement to Reviewers 1984	394
Piqueras, J.F., s. Wandosell et al.	68-71	<i>Erratum: A.T. Natarajan, G. Obe:</i> Molecular mechanism involved in the production of chromosomal aberrations. III. Restriction endonucleases. Chromosoma (Berl) (1984) 90:120-127	395
Plevani, P., s. Barigozzi et al.	332-337		
Profeta, S., s. Barigozzi et al.	332-337		
Rainaldi, G., Sessa, M.R., Mariani, T.: Inhibitors of DNA synthesis induce sister chromatid exchanges at the early S phase of the cell cycle	46-49		
Rao, M.K., s. Koduru et al.	89-93		
Ray, J.H., German J.: Bloom's syndrome and EM9 cells in BrdU-containing medium exhibit similarly elevated frequencies of sister chromatid exchange but dissimilar amounts of cellular proliferation and chromosome disruption	383-388		
Rodriguez-Campos, A., s. Sentis et al.	317-321		
Rodriguez-Campos, A., s. Wandosell et al.	68-71		
Rubacha, A., s. Beckingham	311-316		
Ruch, F., s. Leemann	6-15		
Ryzic, M.V., s. Ananiev et al.	366-377		
Sass, H.: Gene identification in polytene chromosomes: Some Balbiani ring 2 gene sequences are located in an interband-like region of <i>Chironomus tentans</i>	20-25		
Saura, A.O., s. Sorsa et al.	177-184		
Schindler, D., s. Haaf et al.	149-155		
Schmid, M., s. Haaf et al.	149-155		

